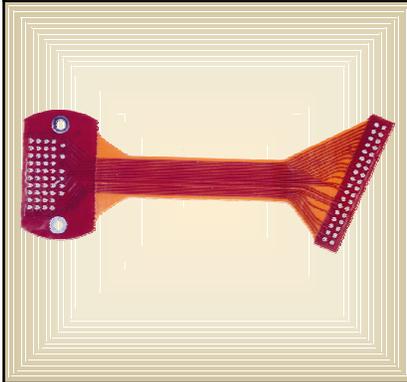


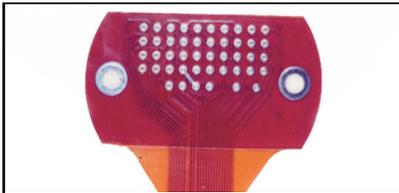
**PRINTED WIRING BOARD  
RIGID-FLEXIBLE LAMINATE**



**RIGID-FLEXIBLE LAMINATE**

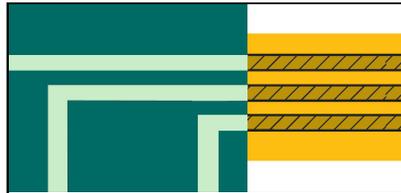
Rigid – Flexible Laminate (Rigid-flex) incorporates two printed wiring board technologies (rigid and flexible), allowing the development of rigid printed boards with flexible printed board interconnects, which allow the system to be bent and folded, or stacked, in three-dimensional (3-D) configurations.

See Sections 5.01 “Printed Wiring Board, General Requirements”, through 5.03 “Printed Wiring Board, Flexible Laminate” for common accept / reject criteria.



**PREFERRED  
GENERAL**

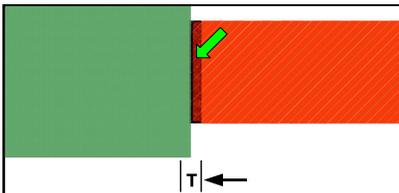
Flexible and rigid circuits are clean, smooth, of uniform thickness, and free of damage. Solderable surfaces are clean and bright. Markings are legible and properly oriented.



**PREFERRED  
RIGID / FLEX REGISTRATION**

The flex laminate is perfectly aligned and registered to the printed laminate.

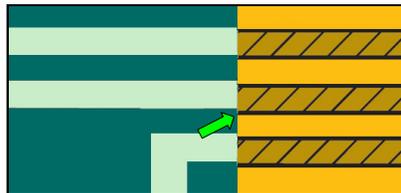
[Best Workmanship Practice](#)



**PREFERRED  
TRANSITION ZONE (T)**

The transition zone between the rigid and flexible laminates is smooth, of uniform thickness, and free of damage, deformation, or contaminants.

[Best Workmanship Practice](#)



**ACCEPTABLE  
RIGID / FLEX REGISTRATION**

The flex laminate is aligned and registered to the printed laminate within engineering specification.

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**NASA WORKMANSHIP STANDARDS**



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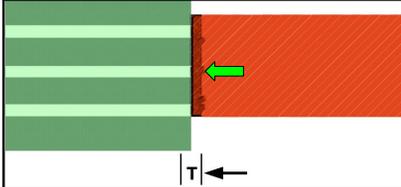
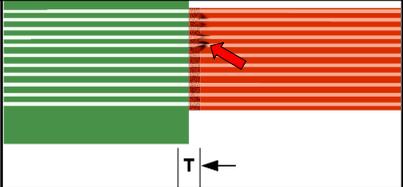
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Revision Date:

Book:  
5

Section:  
5.04

Page:  
1

PRINTED WIRING BOARD RIGID-FLEXIBLE LAMINATE (cont.)	
	
<p><b>ACCEPTABLE TRANSITION ZONE IMPERFECTIONS</b></p> <p>Minor visual imperfections inherent to the fabrication process (i.e., adhesive squeeze-out, localized deformation of the dielectric and conductors) shall not be cause for rejection.</p> <p><a href="#">Best Workmanship Practice</a></p>	<p><b>UNACCEPTABLE TRANSITION ZONE IMPERFECTIONS ADHESIVE/ PREPREG SQUEEZE OUT</b></p> <p>The squeeze-out of adhesive / prepreg shall not extend beyond the transition zone and shall not interfere with the designed flexing of the flexible laminate.</p> <p><a href="#">Best Workmanship Practice</a></p>

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	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	Released: 04.05.2002	Revision: 
	JOHNSON SPACE CENTER HOUSTON, TEXAS USA 77058	Book: 5	Section: 5.04
		Revision Date:	Page: 2